SAT3540U2E

Instruction Manual

External Multi Bay Hard Drive Enclosure

3.5" 4 Drive eSATA USB External Multi Bay Hard Drive Enclosure

Manual Revision:06/28/2010
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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

StarTech.com's SAT3540U2E External Multi Bay Enclosure is a high-performance 4-drive SATA enclosure that connects to host systems through eSATA and/or USB.

Packaging Contents

- 1 x SAT3540U2E enclosure
- 1 x Screw driver and screw kit
- 4 x Hard Drive Handles
- 1 x Universal Power Adapter with 3 Power Cords (NA/UK/EU)
- 1 x eSATA cable
- 1 x USB cable
- 1 x Instruction Manual

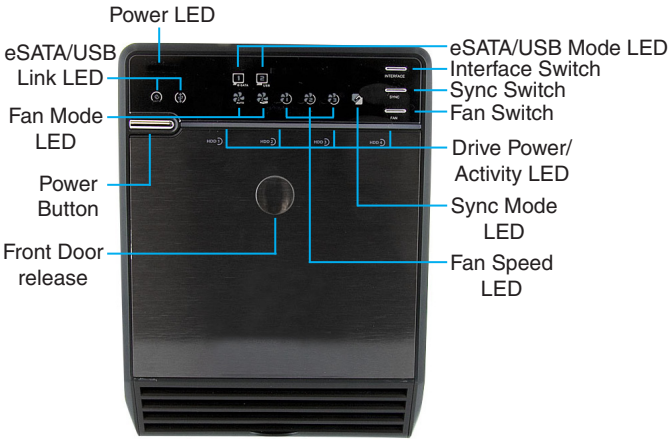
System Requirements

- USB or eSATA* enabled computer system
- Microsoft® Windows® 2000/XP/Server 2003/Vista, or Apple® Mac OS® X or Linux®

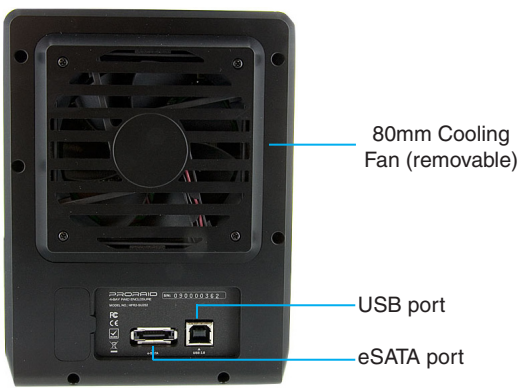
*If connecting the enclosure to a host computer using the eSATA port, please note that in order to use some of the RAID modes of the enclosure, the eSATA port on the host computer system **must provide** Port Multiplier support. If the eSATA port does not offer Port Multiplier support, only one of the installed drives will be accessible.

Installation

Front View



Rear View



Hardware Installation

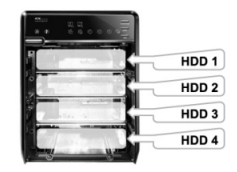
1. Secure the included Hard Drive Handles to the hard drives with the supplied screws and screw driver.

2. Press the front door in to release the latch and open the door. The door is also removable for easier access.

3. Inside will be a metal drive cage in front of the drive bays. Along the top of the drive cage are two small tabs. Press them down to release the cage and remove it.

4. Remove the card board inserts (if first time setup) and then insert the hard drives into the slots. If installing less than 4 drives, ensure a drive is installed in the bottom slot. This will help when reinstalling the metal cage. Hard drives can be removed from the enclosure by pressing down on the handles, then pulling them out.

5. Once all of the hard drives are installed, reinstall the metal cage and front door. Make sure the bottom of the cage stays inside of the track before closing the cover.



6. Connect the power adapter DIN connector into the side of the enclosure and power up the enclosure.

Driver Installation

Windows 2000/XP/Server 2003/Vista, Mac OS X, Linux

No driver installation is required for these operating systems, as this enclosure is natively supported, so the drivers are already installed.

How to Use

eSATA/USB Connectivity

The enclosure features two separate host interfaces, which can be physically connected at the same time, however only one will be active at a time. The enclosure could even be connected to two different computers, one over eSATA and the other over USB, and then switched between. The eSATA and USB Link LEDs, located above the Power button, will indicate which interfaces are connected, while the eSATA and USB Mode LEDs will indicate which interface is currently active.

LED	Status	Description
	ON	eSATA connection detection
	OFF	
	ON	USB connection detection
	OFF	
	ON	eSATA interface active
	OFF	
	ON	USB interface active
	OFF	

To switch between interfaces, press the 'Interface' button.

Fan Speed Control

The cooling Smart Fan is automatically controlled by an integrated thermal sensor, but can also be set manually. The fan is capable of running at 3 different speeds depending on the temperature range of the enclosure (less than 45°C, between 45-54°C, and greater than 55°C), or set manually to run constantly at one speed.

LED	Status	Description
	ON	Smart Fan Auto Mode
	OFF	
	ON	Smart Fan Manual Mode
	OFF	
	ON	Low Speed - 1200RPM (Manual Mode only)
	OFF	
	ON	Medium Speed - 1800RPM (Manual Mode only)
	OFF	
	ON	High Speed - 2500RPM (Manual Mode only)
	OFF	

Pressing the 'Fan' button will toggle between Auto and Manual modes and toggle between the different manual fan speeds.

Synchronization Mode

This enclosure features a Synchronization Mode that allows it to power off when the host computer it is connected to is powered off or the interface cable is disconnected.

LED	Status	Description
	Blue	When the host connection is off, the enclosure will power off in 15 seconds.
	Orange	When the host connection is off, the enclosure will immediately power off.
	OFF	The enclosure will only power on/off via the Power button.

Pressing the 'Sync' button will toggle between the different modes.

Troubleshooting

Only one drive shows up over eSATA

If only one of the installed hard drives is visible on the computer when connected over eSATA, ensure that the eSATA port on your computer system supports Port Multiplier technology.

Specifications

Bus Interface	USB 2.0 SATA 3.0 Gb/s
External Connectors	1 x USB type B 1 x eSATA* 1 x DIN power connector
Chipset	Exar XRS10L240
LEDs	3 x Fan Speed 2 x Fan Mode 2 x Interface 2 x Interface Link 1 x Power 1 x Sync Mode
Maximum Data Transfer Rate	USB 2.0: 480 Mbps eSATA: 3.0 Gbps
Fans	1 x 80mm
Number of Hard Drives	Up to 4
Hard Drive Compatibility	3.5” SATA 1.5/3.0 Gbps Hard Drives, tested up to 2.0TB
Power Adapter	12VDC, 5A
Dimensions	215.0mm x 126.0mm x 170.0mm
Weight	1.8kg
Compatible Operating Systems	Windows 2000/XP/Server 2003/ Vista, Mac OS X, Linux

* eSATA host controller requires Port Multiplier support

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

This product is backed by a one year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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